

# LEGAL NOTICE

and

## Preliminary Determination for an Air Quality Permit for

### **Los Alamos National Laboratory, TA-3 Power Plant**

Los Alamos National Laboratory, operated by Los Alamos National Security, LLC, 3747 West Jemez Road, Los Alamos, NM has submitted an air quality permit application to the Air Quality Bureau (AQB), New Mexico Environment Department (NMED) for an air quality permit to modify the Los Alamos National Laboratory TA-3 Power Plant. The application file has been assigned Permit No. 2195B-M2 and TEMPO Agency Interest ID No. 856. The exact location of the facility is/will be at latitude 35 deg., 52 min., 27 sec. and longitude -106 deg., 19 min., 13 sec. The exact location of this facility is at 3747 West Jemez Road, Los Alamos, NM in Los Alamos County. This facility is located adjacent to the towns of Los Alamos and White Rock in Los Alamos County, New Mexico.

The proposed modification will consist of the following:

- lowering the annual boiler fuel usage restriction;
- increasing the Combustion Gas Turbine Generator (CGTG) fuel limit;
- allowing the CGTG to operate in a range of 80% to 100% load.

Total air pollutant emissions to the atmosphere from the TA-3 Power Plant are estimated to be approximately: Nitrogen Oxides (NO<sub>x</sub>): 90.8 tons per year (tpy); Carbon Monoxide (CO): 93.7 tpy; Volatile Organic Compounds (VOC): 4.3 tpy; Sulfur Dioxide (SO<sub>2</sub>): 9.1 tpy; Total Suspended Particulate Matter (TSP): 9.4 tpy, Particulate Matter 10 microns or less (PM<sub>10</sub>): 9.2 tpy, and Particulate Matter 2.5 microns or less (PM<sub>2.5</sub>): 9.0 tpy. These emission estimates could change slightly during the course of the Department's review of the application.

The NMED has conducted a preliminary review of the information submitted with the permit application. The preliminary review and applicant's air dispersion modeling analysis indicates that the facility's air emissions will meet the ambient air quality standards for NO<sub>x</sub> (expressed as NO<sub>2</sub>), CO, SO<sub>2</sub>, TSP, PM<sub>10</sub>, and PM<sub>2.5</sub>. A full review will evaluate the estimated emission rates and the air quality dispersion modeling analysis to determine compliance with ambient air standards.

Based on the applicant's analysis, a preliminary determination is that this facility will comply with the requirements of Title 20, New Mexico Administrative Code (NMAC), Chapter 2, Parts 1, 3, 61, 70, 71, 72, 73, 74, 75 and 77; 40 CFR 50; 40 CFR 60, Subparts A and GG; and the New Mexico Air Quality Control Act. Therefore, the preliminary intent of NMED is to issue the air quality permit on or before November 1, 2011. The source, defined to include all operations at the Laboratory, is a major source for Greenhouse Gases according to 20.2.74 NMAC, PSD. The current permitting action is a PSD minor modification.

To ensure compliance with state and federal air regulations, the permit is expected to include conditions that limit the emissions, fuel usage, turbine load, and conditions that will require record keeping and reporting to the Department.

The permit application is available for review in electronic or hard copy at the Air Quality Bureau Office, 1301 Siler Road, Building B, Santa Fe, New Mexico. To arrange viewing of this application contact Teri Waldron, at 505-476-4355 or [teri.waldron@state.nm.us](mailto:teri.waldron@state.nm.us). The permit application is also available at the

NMED Los Alamos Office, located at 1183 Diamond Dr., Suite B, Los Alamos, NM 87544 for public review.

All interested persons have thirty (30) days from the date this notice is published, to notify the Department in writing of their interest in the permit application. The written comments should refer to the company name, site name and Permit No. (or send a copy of this notice along with your comments). The written comments shall state the nature of the issues raised and how it relates to the requirements of applicable state and federal air quality regulations and the Clean Air Act. The written comments should be mailed to Coleman Smith, New Mexico Environment Dept., Air Quality Bureau, Permit Section, 1301 Siler Road, Building B, Santa Fe, New Mexico 87507-3113.

The Department will notify all persons, who have provided written comments, as to when and where the Department's analysis may be reviewed. Although all written comments will be made part of the public record, any person who does not express interest in writing prior to the end of this first thirty (30) day period will not receive such notification.

If the Department receives written public comment prior to the end of the Department's thirty (30) day public notice, the Department's analysis will be made available for review for thirty (30) days at the NMED district or field office nearest to the source before the permit will be issued. Written comments on the analysis or permit application may be submitted to the Department during this second thirty (30) day period or at any time before the permit is issued or denied.

Questions or comments not intended to be part of the public record can be directed to Coleman Smith at 505-476-5550. General information about air quality and the permitting process can be found at the Air Quality Bureau's web site. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC. This regulation can be found in the "Permits" section of this web site.

In accordance with 20.2.72.206.A.4 NMAC, a copy of the public notice will be sent to anyone of the Standing Notification List.